

In the Claims:

1. (currently amended) A method, embodied in a device including at least one processor and a computer readable memory, the device ~~for~~ providing voice communications over a packet-based data communication network by, comprising:

receiving a call request;

determining whether the requested call would span a gateway connecting a local network to an external network; and

in response to a determination that the requested call would not span the gateway connecting the local network to the external network, increasing a size of packets used in the call.

2. (previously presented) The method of claim 1, further comprising:

determining whether a total delay for the requested call would exceed a predetermined maximum delay if a packetization delay component is increased for the requested call responsive to stored information in a call server system indicating whether a called party phone is local to a calling party phone; and

increasing the size of packets used in the requested call only in the event that the packetization delay for the requested call can be increased without exceeding the predetermined maximum delay.

3. (previously presented) The method of claim 1, further comprising:

determining whether a total delay of the requested call would exceed a predetermined maximum delay if a packetization delay component is increased for the requested call responsive to a directory number of a calling party phone and a directory number of a called party phone; and

increasing the size of packets used in the requested call only in the event that the packetization delay for the requested call can be increased without exceeding the predetermined maximum delay.

4. (original) The method of claim 1, further comprising determining whether a calling party phone and a called party phone can process an increased packet size, and only increasing said size of packets used in the call in the event that both said calling party phone and said called party phone can process said increased packet size.

5. (original) The method of claim 1, wherein said increasing said size of packets used in said call comprises increasing said size of packets used in said call to a packet size above a default packet size.

6. (cancelled)

7. (previously presented) The method of claim 2, wherein said maximum delay is a value that cannot be exceeded without adversely impacting the voice quality of the call.

8. (currently amended) A system, including at least one processor and a computer readable memory, for providing voice communications over a packet-based data communication network, comprising:

request processing logic ~~for operable to receiving~~ receive a call request;

gateway determining logic for determining ~~operable to determine~~ whether the requested call would span a gateway connecting a local network to an external network; and

packet size increasing logic ~~for operable~~ responsive to a determination that the requested call would not span the gateway connecting the local network to the external network, increasing ~~to increase~~ a size of packets used in the call.

9. (currently amended) The system of claim 8, further comprising:

delay determining logic for determining ~~operable to determine~~ whether a total delay for the requested call would exceed a predetermined maximum delay if a packetization delay component is increased for the requested call responsive to stored information in a call server system indicating whether a called party phone is local to a calling party phone; and

wherein the packet size increasing logic increases the size of packets used in the requested call only in the event that the packetization delay for the request call can be increased without exceeding the predetermined maximum delay.

10. (currently amended) The system of claim 8, further comprising:

delay determining logic for determining ~~operable to determine~~ whether a total delay of the requested call would exceed a predetermined maximum delay if a packetization delay component

is increased for the requested call responsive to a directory number of a calling party phone and a directory number of a called party phone; and

wherein the packet size increasing logic increases the size of packets used in the requested call only in the event that the packetization delay for the requested call can be increased without exceeding the predetermined maximum delay.

11. (currently amended) The system of claim 8, wherein said packet size increasing logic is further operable to determine whether a calling party phone and a called party phone can process an increased packet size, and wherein said packet size increasing logic is only operable to increase said size of packets used in the call in the event that both said calling party phone and said called party phone can process said increased packet size.

12. (currently amended) The system of claim 8, wherein said packet size increasing logic is further operable to increase said size of packets used in said call by increasing said size of packets used in said call to a packet size above a default packet size.

13. (cancelled)

14. (previously presented) The system of claim 9, wherein said maximum delay is a value that cannot be exceeded without adversely impacting the voice quality of the call.

15. (previously presented) The method of claim 1, further comprising:

wherein the gateway connecting the local network to the external network is a virtual private network gateway;

wherein the local network is a wireless network;

wherein the external network is the internet;

wherein a calling party phone for the requested call is located on the wireless network;
and

wherein determining whether the requested call would span a gateway connecting a local network to an external network further comprises determining whether a called party phone terminating the requested call is being used remotely on the external network through the virtual private network gateway.

16. (previously presented) The method of claim 1, further comprising:

wherein the gateway connecting the local network to the external network is a virtual private network gateway;

wherein the local network is a wireless network;

wherein the external network is the internet;

wherein a called party phone terminating the requested call is located on the wireless network; and

wherein determining whether the requested call would span a gateway connecting a local network to an external network further comprises determining whether a calling party phone for the requested call is being used remotely on the external network through the virtual private network gateway.

17. (currently amended) The system of claim 8, further comprising:

wherein the gateway connecting the local network to the external network is a virtual private network gateway;

wherein the local network is a wireless network;

wherein the external network is the internet;

wherein a calling party phone for the requested call is located on the wireless network;

and

wherein the gateway determining logic ~~is further operable to~~ determines whether the requested call would span the gateway connecting the local network to the external network by determining whether a called party phone terminating the requested call is being used remotely on the external network through the virtual private network gateway.

18. (currently amended) The system of claim 8, further comprising:

wherein the gateway connecting the local network to the external network is a virtual private network gateway;

wherein the local network is a wireless network;

wherein the external network is the internet;

wherein a called party phone terminating the requested call is located on the wireless network; and

wherein the gateway determining logic ~~is further operable to~~ determine whether the requested call would span a gateway connecting a local network to an external network by determining whether a calling party phone for the requested call is being used remotely on the external network through the virtual private network gateway.